Name: _____ Class: _____ Date: _____ ID: A

Circle Homework 2

Multiple Choice

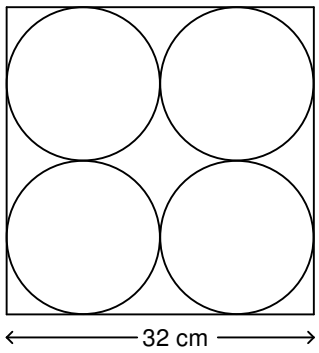
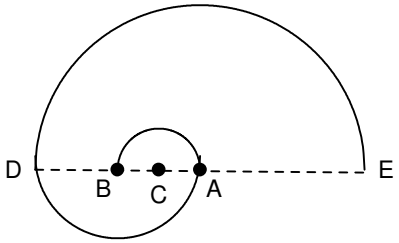
Identify the letter of the choice that best completes the statement or answers the question.

____ 1. The distance around Earth at the equator is about 40 074 km.
Find the equatorial diameter of Earth to the nearest kilometre.
a. 25 512 km b. 12 756 km c. 62 884 km d. 6 339 700 km

Problem

2. The diameter of a tire is 0.75 m.
a) Find the circumference of the tire.
b) About how many times will the tire have to rotate to travel 1 km?
Show your work.

3. This diagram shows a metal gate made of a square frame of edge length 32 cm and 4 circles.
What is the total length of metal tubing, to the nearest centimetre, required to make the frame and the 4 circles? Show your work.



4. This spiral consists of 3 semicircles with centres at A, B, and C.
If the length of AB is 5.0 cm, what is the length of the spiral?
Round the answer to the nearest millimetre. Show your work.